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NOTICE OF ALLOWANCE AND FEE(S) DUE

20457

7590

12/12/2008

ANTONELLI, TERRY, STOUT & KRAUS, LLP 1300 NORTH SEVENTEENTH STREET SUITE 1800 ARLINGTON, VA 22209-3873 EXAMINER

KUMAR, SRILAKSHMI K

ART UNIT PAPER NUMBER

2629 DATE MAILED: 12/12/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/834.919	04/16/2001	Hajime Akimoto	503.40029X00	5427

TITLE OF INVENTION: IMAGE DISPLAY APPARATUS AND DRIVING METHOD THEREOF

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	03/12/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS; This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ap in m

appropriate. All further indicated unless correct maintenance fee notification	correspondence including ed below or directed oth	ng the Patent, advance on nerwise in Block 1, by (a	rders and notification of n a) specifying a new corres	naintenance fees w pondence address;	ill be mailed to the current and/or (b) indicating a sep	correspondence address as arate "FEE ADDRESS" for	
CURRENT CORRESPOND	DENCE ADDRESS (Note: Use Bi	ock 1 for any change of address)	Fee(c) Transmittal This	certificate cannot be used	or domestic mailings of the for any other accompanying ent or formal drawing, must	
20457		/2008		Cert	ificate of Mailing or Trans	smission	
ANTONELLI, TERRY, STOUT & KRAUS, LLP 1300 NORTH SEVENTEENTH STREET SUITE 1800			I hereby certify that this Fee(s) Transmittal is being deposited with the Un States Postal Service with sufficient postage for first class mail in an envel addressed to the Mail Stop ISSUE FEE address above, or being facsir transmitted to the USPTO (571) 273-2885, on the date indicated below.				
ARLINGTON,	VA 22209-3873		Г			(Depositor's name)	
						(Signature)	
						(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/834,919	04/16/2001	•	Hajime Akimoto	•	503.40029X00	5427	
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nonprovisional	NO	\$1510	\$300	\$0 1	\$1810	03/12/2009	
EXAM		ART UNIT	CLASS-SUBCLASS				
	ILAKSHMI K	2629	345-087000	2 11			
CFR 1.363).	lence address or indicatio	`	2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys 1				
Change of corresp Address form PTO/S	oondence address (or Cha B/122) attached.	nge of Correspondence	or agents OR, alternatively,				
"Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.				
3. ASSIGNEE NAME A	AND RESIDENCE DATA	A TO BE PRINTED ON	THE PATENT (print or typ	pe)			
PLEASE NOTE: Un	less an assignee is ident th in 37 CFR 3.11. Com	ified below, no assignee	data will appear on the pa T a substitute for filing an	atent. If an assigne	e is identified below, the d	locument has been filed for	
(A) NAME OF ASSI	•	,	(B) RESIDENCE: (CITY		OUNTRY)		
Please check the appropr	riate assignee category or	categories (will not be pr	rinted on the patent):	Individual 🖵 Co	rporation or other private gr	oup entity 🚨 Government	
4a. The following fee(s)	are submitted:	41	_ ·	se first reapply an	y previously paid issue fee	shown above)	
Issue Fee	No small entity discount p	:tt-d>	☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached.				
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5. Change in Entity Sta	i tus (from status indicate ns SMALL ENTITY stati		☐ b. Applicant is no long	ger claiming SMAL	L ENTITY status. See 37 C	FR 1.27(g)(2).	
NOTE: The Issue Fee an	nd Publication Fee (if req		d from anyone other than th			he assignee or other party in	
interest as snown by the	records of the United Sta	nes Patent and Trademark	Conice.				
Authorized Signature				Date			
Typed or printed name			Registration No				
This collection of inform an application. Confiden	nation is required by 37 C titality is governed by 35	CFR 1.311. The information U.S.C. 122 and 37 CFR	on is required to obtain or r 1.14. This collection is est	etain a benefit by the	ne public which is to file (an inutes to complete, including ments on the amount of the	d by the USPTO to process) ng gathering, preparing, and me you require to complete partment of Commerce, P.O.	
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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

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20457 75	590 12/12/2008	EXAMINER		
ANTONELLI, T	ERRY, STOUT & K	KUMAR, SRILAKSHMI K		
10001.01111.02	1300 NORTH SEVENTEENTH STREET			PAPER NUMBER
SUITE 1800 ARLINGTON, VA	x 22209-3873		2629 DATE MAILED: 12/12/200	8

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 352 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 352 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)				
	09/834,919	AKIMOTO ET AL.				
Notice of Allowability	Examiner	Art Unit				
	SRILAKSHMI K. KUMAR	2629				
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communication IGHTS. This application is subject t	plication. If not included n will be mailed in due course. THIS				
1. This communication is responsive to 10/27/2008.						
2. X The allowed claim(s) is/are 1-4,9,10,17,19,20,23,24,26 and	<u>d 27</u> .					
3. Acknowledgment is made of a claim for foreign priority un a) All b) Some* c) None of the: 1. Certified copies of the priority documents have	- , , , , , , ,					
2. ☐ Certified copies of the priority documents have						
3. ☐ Copies of the certified copies of the priority do						
International Bureau (PCT Rule 17.2(a)).		3 J				
* Certified copies not received:						
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements				
4. A SUBSTITUTE OATH OR DECLARATION must be subminFORMAL PATENT APPLICATION (PTO-152) which give						
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.					
(a) ☐ including changes required by the Notice of Draftspers	son's Patent Drawing Review(PTO	-948) attached				
1) ☐ hereto or 2) ☐ to Paper No./Mail Date						
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date						
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t						
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT						
Attachment(s)	E Nation of Informal	Detant Application				
 Notice of References Cited (PTO-892) Dotice of Draftperson's Patent Drawing Review (PTO-948) 	 5. ☐ Notice of Informal F 6. ☐ Interview Summary 					
	Paper No./Mail Da 7. ☐ Examiner's Amend	te .				
3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	r. □ ⊏xaminer's Amend	meny Comment				
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ☑ Examiner's Statem9. ☐ Other	ent of Reasons for Allowance				
/Srilakshmi K Kumar/	J. □ Oulei					
Examiner						
Art Unit: 2629						

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Art Unit: 2629

DETAILED ACTION

The following office action is in response to the amendment filed on October 27, 2008. Claims 1-4, 9, 10, 17, 19, 20, 23, 24, 26 and 27 are pending. Claim 28 has been cancelled.

Allowable Subject Matter

1. Claims 1-4, 9, 10, 17, 19, 20, 23, 24, 26 and 27 are allowed.

The following is an examiner's statement of reasons for allowance: With respect to independent claim 1, the prior art of record do not teach an image display apparatus comprising memory cells, wherein each of the plurality of memory cells comprises a memory switch connected to one of said data lines; a memory capacitor connected to said memory switch; and a field-effect transistor of which a source-drain path thereof is provided between a first node and a second node coupled to a corresponding one of said data lines, wherein one electrode of said memory capacitor is connected to a gate of said field effect transistor and another electrode of said memory capacitor is connected to said second node, and wherein when a memory cell is read or written, a predetermined voltage is supplied to said first node.

With respect to dependent claims 2-4, 9, 10, 17, 19, 20, 23, 24, 26 and 27, these claims are allowed as they depend upon allowable independent claim 1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to SRILAKSHMI K. KUMAR whose telephone number is

(571)272-7769. The examiner can normally be reached on 7:00 am to 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Sue Lefkowitz can be reached on 571 272 3638. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Srilakshmi K Kumar/

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Examiner

Art Unit 2629

SKK

December 4, 2008